IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A holographic stereogram forming apparatus comprising:

a laser source for emitting a laser beam;

beam separating means for separating said laser beam emitted from said laser source into a reference beam and an object beam;

reference beam irradiating means for irradiating a hologram recording medium with said reference beam separated by said beam separating means;

a spatial beam modulator for displaying an image and modulating said object beam separated by said beam separating means;

a one-dimensional diffuser plate for diffusing said object beam modulated by said spatial beam modulator in a one-dimensional direction; and

an object projection optical system including a spherical lens system for forming said image displayed by said spatial beam modulator in said one-dimensional direction and a cylindrical lens system for condensing said object beam on said hologram recoding medium in a direction substantially orthogonal to said one-dimensional direction said object projection optical system being, disposed between said spatial beam modulator and said one-dimensional diffuser plate[[,]] for processing said object beam modulated by said spatial beam modulator in such a manner that[[,]] ~~in said one-dimensional direction of said one-dimensional diffuser plate,~~ said image displayed by said spatial beam modulator is formed on said one-dimensional diffuser plate[[,]] in the one-dimensional direction of the one-dimensional diffuser plate using the spherical lens system, [[and,]]

~~in a direction substantially orthogonal to said one-dimensional direction, said object beam is condensed on said hologram recording medium~~

a condensing position of the object beam is controlled by regulating the spacing between said spherical lens system and said cylindrical lens system, wherein a focal distance of the cylindrical lens system and a focal distance of the spherical lens system are selected such that the spatial beam modulator and the one-dimensional diffuser are located a optically conjugate positions.

Claims 2-3 (Cancelled).

Claim 4 (Original): The holographic stereogram forming apparatus according to claim 1, further comprising:

means for shutting off said laser source;

a mechanism for intermittently feeding said hologram recording medium; and

a control mechanism for regulating the timings of the display of said image by said spatial beam modulator and the operation of said intermittent feeding mechanism.

Claim 5 (New): A holographic stereogram forming apparatus comprising:

a laser source for emitting a laser beam;

beam separator configured to separate said laser beam emitted from said laser source into a reference beam and an object beam;

reference beam irradiator configured to irradiate a hologram recording medium with said reference beam separated by said beam separator;

a spatial beam modulator configured to display an image and modulating said object beam separated by said beam separator;

a one-dimensional diffuser plate configured to diffuse said object beam modulated by said spatial beam modulator in a one-dimensional direction; and

an object projection optical system including a spherical lens system configured to form said image displayed by said spatial beam modulator in said one-dimensional direction and a cylindrical lens system configured to condense said object beam on said hologram recoding medium in a direction substantially orthogonal to said one-dimensional direction, said object projection optical system being, disposed between said spatial beam modulator and said one-dimensional diffuser plate configured to process said object beam modulated by said spatial beam modulator in such a manner that said image displayed by said spatial beam modulator is formed on said one-dimensional diffuser plate in the one-dimensional direction of the one-dimensional diffuser plate using the spherical lens system, wherein

a condensing position of the object beam is controlled by regulating the spacing between said spherical lens system and said cylindrical lens system, wherein a focal distance of the cylindrical lens system and a focal distance of the spherical lens system are selected such that the spatial beam modulator and the one-dimensional diffuser are located a optically conjugate positions.

Claim 6 (New): The holographic stereogram forming apparatus according to claim 1, further comprising:

a switch configured to shut off said laser source;

a mechanism configured to intermittently feed said hologram recording medium; and

a control mechanism configured to regulate the timings of the display of said image by said spatial beam modulator and the operation of said mechanism.